$$Z = P \longrightarrow O \longrightarrow P_i$$

Fig. 1A

$$Z = P - X$$

$$Y_1 - O - P_i$$

$$N$$

Fig. 1B

$$Z = P \longrightarrow X Y_2 \longrightarrow P_i$$

Fig. 1C

Fig. 1D

$$Z=P-X$$
 $Y_3$ 
 $O$ 
 $P_i$ 

Fig. 1E

Fig. 2B-B

$$\begin{array}{c}
\downarrow \\
Y_1 \\
\downarrow \\
Z = P - X \\
Y_1 \\
\downarrow \\
N
\end{array}$$

Fig. 2D-D/E-E

## 

gc uncharged	charged uncharged	GC charged uncharged	charged uncharged	cg charged uncharged	cg charged  GC uncharged
ACGTTGAGGGGCATCGTCGC	TGCAACTCCCCGTAGCAGCG 	TGACAACTCCCCGTAGCAGCG	TGCAACTCCCCGTAGCAGCG ACGTTGAGGGGCAT	TGCAACTCCCCGTAGCAGCG	TGCAACTCCCCGTAGCAGCG 

Fig. 3

## 

charged CCCGTAGCAGCGNNNN

uncharged ACGTTGAGGGGCATCGTCGC

charged CCCGTAGCAGCGNNNN

uncharged ACGTTGAGGGGCATCGTC

uncharged charged CCCGTAGCAGCGNNN ACGITGAGGGCCAICG

[NNNN is optional]

Fig.

CCGTAGCAGC

uncharged charged

CCGTAGAGC

ACGTTGAGGGGCATCGTCGC

charged

ACGTTGAGGGGCATCTCGC

uncharged

Fig.

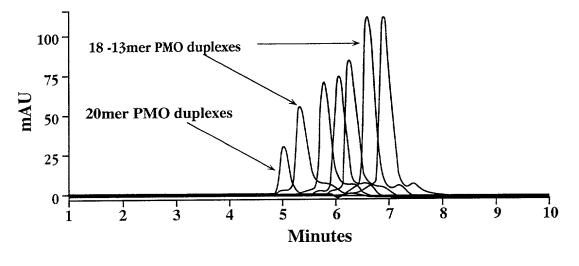


Fig. 5A

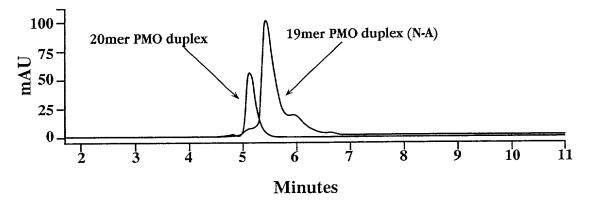


Fig. 5B

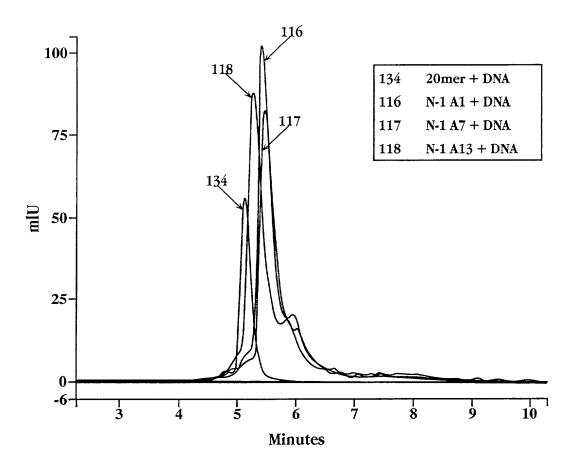


Fig. 6

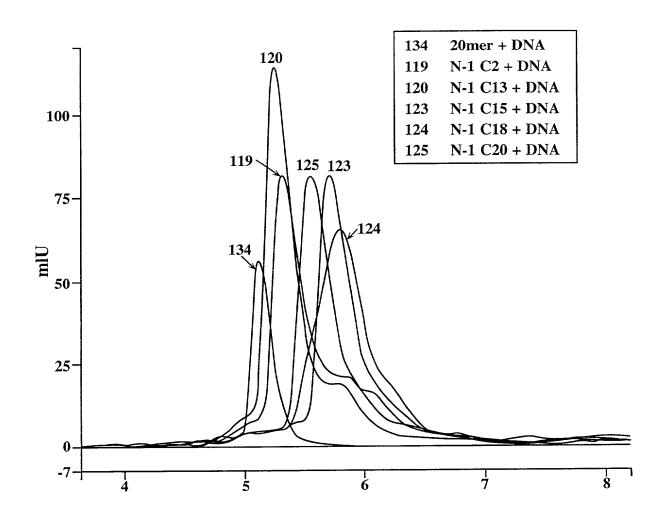


Fig. 7

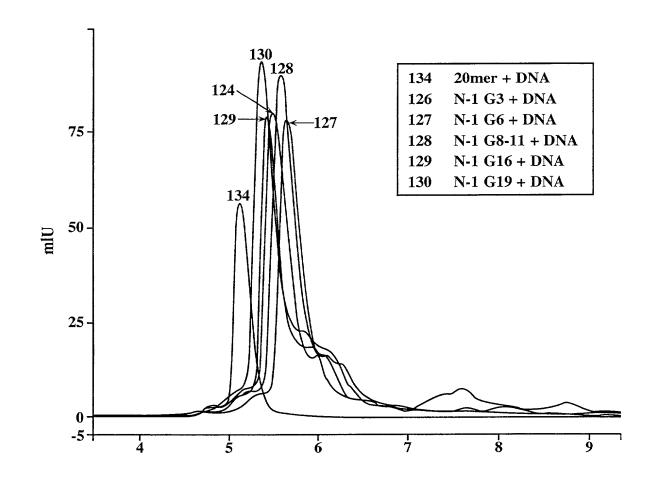


Fig. 8

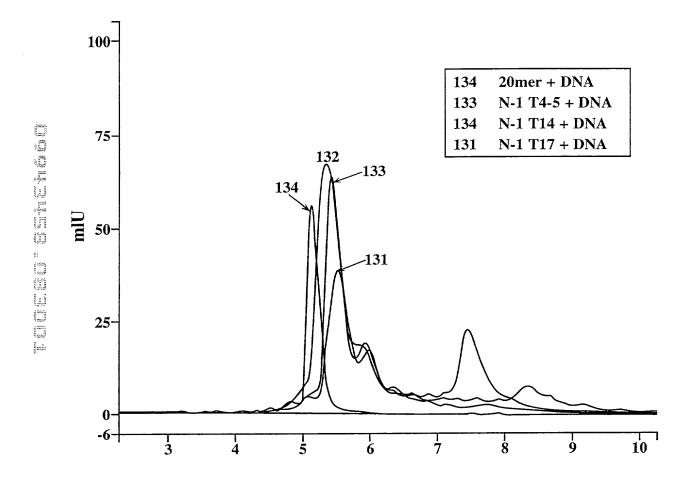


Fig. 9

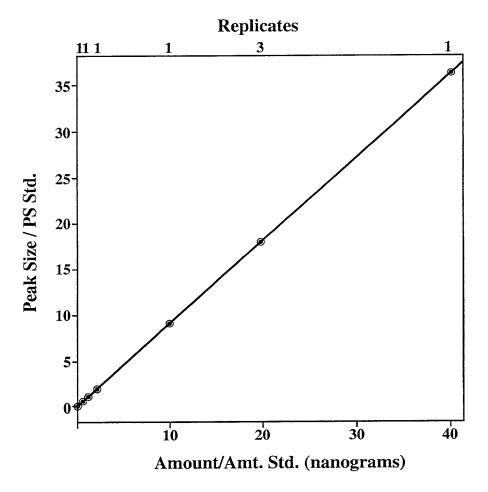


Fig. 10

Base<sub>1-15</sub> = GAGGGGCATCGTCGC (5'  $\longrightarrow$  3')

$$A = \bigvee_{N}^{NH_2} \bigvee_{N}^{NH_2} C = \bigvee_{N}^{NH_2} \bigcap_{N}^{NH_2} G = \bigvee_{N}^{NH_2} \bigcap_{NH_2}^{NH_2} T = \bigvee_{N}^{Me} \bigcap_{NH_2}^{NH_2} \bigcap_{NH_2}^{NH_2}$$

Fig. 11

